EFFORTS TO MAKE THE LIVES OF THE WORKERS SAFER

Legislation Sought in This Country and in Europe to Prevent Unnecessary Industrial Diseases-Some Dangers to Employees Already Eliminated-Psychic Epilepsy of the Locomotive Engineer Latest Occupational Ailment

Railroad hospital in that city. Psychic epilepsy is a disease which sometimes makes locomotive engineers temporarily oblivious of their surroundings and it may thus endanger their lives and the lives of others. Dr. Spear's purpose was to warn the railroad authorities of the country of this source of danger.

Psychic epilepsy is probably the latest of the many occupational diseases which the complexity of modern civilization has been for some time steadily developing. So numerous have these diseases become that they have attracted the attention of medical men throughout the world. Not only have medical men become interested, but labor and health bureau officials, sanitary inspectors, special investigators of labor problems and representatives of labor organizations are all working on the

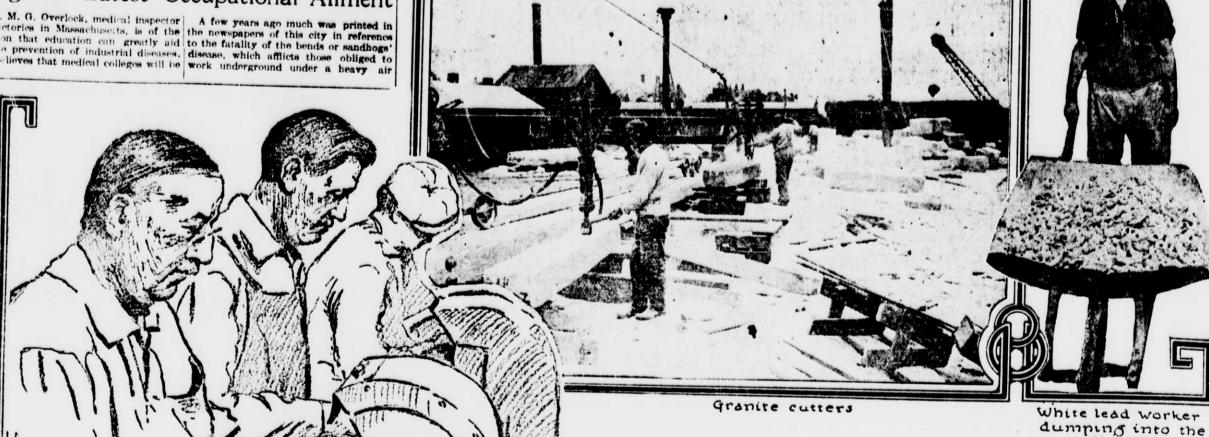
Not long ago the State of New York passed a law requiring physicians to re-port all cases of industrial poisoning from lead, phosphorus or mercury and all cases of compressed air illness which come within their practice. Henceforth 13,700 physicians, hospitals and dispensaries in New York State will be required to report all cases of occupational diseases which they are called upon to treat.

About thirty States have laws intended

to protect workers from dust, unsanitary conditions and impure or poisonous air. Unfortunately the majority of these laws are too poorly worded to be altogether effective and too carelessly enforced to afford adequate protection. Much, however, has been accomplished.

National prohibition of the use of a poisonous substance in manufacturing occurred in this country for the first time this year, when Congress passed a law which forbids the use of poisonous phosphorus in the making of matches. This, it is believed, will abolish the match workers' disease known as phossy jaw. This disease is caused by the fumes and floating particles of phosphorus which attack the bones of the workers and especially their teeth. The bones become brittle, the teeth drop out, the jawbones decay, with the result, unless the disease is arrested of the loss of one or both jaws or not infrequently death.

HAT psychic epilepsy may be a cause of railroad accidents has recently been pointed out by Dropinion that education can greatly aid to the fatality of the bends or sandhogs' Irving Spear of Baltimore, the in the prevention of industrial diseases. disease, which afflicts those obliged to surgeon in charge of the Baltimore and



of liness each year among those engaged unconsciousness.

dation. Of these 600 men 119, or 20 per

fourteen died. The Brooklyn Bridge, while building, furnished within four months 110 cases of compressed air illness.

Victims of Poisoning.

During the past two years sixty deaths from lead personing have occurred in Three-quarters of these deaths were due to the manufacture of white lead and the use of white lead in winter time it is absolutely necessary after one arrives there is a choice of paints. As there are in the neighbor-hood of 150 trades in which workmen are in constant danger of poisoning from lead, cases of both acute and chronic lead poisoning are probably the most common of all the industrial diseases.

In the furrier's trade arsenical poison-

cently in the manufacture of wall paper. Many cases of blood poisoning come

ment in compressed air, and cases of the for work in a dangerous trade. Physical been known since 1854. The number of that they will demand it.

A picule lunch on the form of exercise. lives that have been sacrificed in this that they will demand it. In some of these matters the United occupation is large.

Chief among the remedies which have States is far behind foreign countries. Out of door occupations are popularly proved effective are physical examina- but the American Association of Labor regarded as healthful, nevertheless stone tions of all employees, shortening the Legislation is making every effort to cutters, who usually work out of doors, hours of labor and hospitals in connection influence legislation along the same lines, but who breathe the dust from their where compressed air is used. In these lieve that the Government is responsible years ahead of their time. Gardeners and Those in charge of the association be- work, die on an average about fifteen hospitals, which are in charge of qualified for and it alone can remedy many of the florists frequently suffer from dangerous needlessly injurious conditions which inflammation of the hands and arms oc-

casioned by contact with certain plants. Butchers and slaughter house men in some degree in every industry, from unless very careful in their work may

the largest to the smallest, there are contract blood poisoning. certain well identified complaints which There are a number of mental and have become common, such as the hat- nervous diseases which may be called ter's shake, the potter's rot, the painter's occupational. Psychic epilepsy is one of colic and wrist drop, the caisson worker's these. This epilepsy is directly caused the brass worker's chills, the boiler mak- speed too great for the physical organithe miner's asthma and the blue gums distinguish objects moving above a cerof the lead workers. Those who are now tain speed, nor can the conscious mental are directing their attention particularly master of the locomotive work normally

States it is only necessary to state that not even aware. These fits show them- stresses, book binders, sewing machine

State Accident Commission recently an- practically in charge of a dead hand. In arms. Neuritis, neuralgia and cramps nounced that 75 per cent. of the industrial a train going eighty miles an hour a quar- are frequent afflictions of these workers. injuries reported to that body should ter of a mile can be passed without the Mill workers who tend machines for have been classified as occupational sufferer from pyschic epilepsy being diseases. long hours are said to contribute unduly a ware of anything around him. In that When the Eads Bridge was built across time a warning signal may be passed There is a lead insanity, an alcoholic inthe Mississippi River at St. Louis 600 without being seen. This is a probable sanity and insanity caused by sulphurated men were employed in sinking the foun-explanation of some disastrous wrecks.

there are not less than 13,000,000 cases selves in ten to twenty second periods of operators, typewriters, dentists, pianists, violinists, telegraphers, all suffer in variin industrial employment. The Ohio During that time the locomotive is ous ways from overuse of the hands and

mill honner.

Cigar makers, tailors, carpenters, laun- sulting from exposure to an excess of

In the business girl's catechism, under ! In any case the outing should be shared, "My Duty Toward Myself," fresh air comes for it is neither very safely nor very pleasonly just below rules for good conduct. antly taken alone. The ride on the And while fresh air is desirable in the strangely empty cars is pleasant, and

when there is no one on the beach to see City people have to make a business of how badly the rented suit fits. And the getting air and exercise. The girl who getting air and exercise. The girl who goes to and from her work in the underas in the afternoon. Afterward it is well ground subway, spends her working to sit on the sand for a while and get hours beneath a gas jet and sleeps in an thoroughly warm again. In the furrier's trade arsenical poisoning not infrequently occurs, and it has apartment bedroom opening on a closed.

Another amusement that has been too been a source of danger up to very resprout in a cellar. The Great White Plague girl is horseback riding. The horses finds its victims among those who are that are for rent at the beaches at the

> constant to this feast of air and airer that they will demand it.
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> Next by walking at least part way to her work whenever the weather is not unendurably cold or wet. If she lives the comes the trip home in the early evening before the crowds begin. her work whenever the weather is not unendurably cold or wet. If she lives four miles from her office it seems a futile thing to get up twenty minutes earlier in order to walk half a mile and then ride the rest of the way, but her mirror will soon tell her that the effort has not been wasted. And if need be she can go to a wicked 1,000 feet into the East River, a

In some of our great cities, notably everybody satisfied. bends, the match maker's phossy jaw, by the fact that a person is moving at a with seats inside and on the roof. They Lehigh Valley dock at the edge of the New York, there are automobile stages er's deafness, the glass blower's cataract, zation. The human eye cannot adequately ride, but when it is possible to make use Central station. It was just to the south charge a dime instead of a nickel for the of the outside seats they are not an extravagance, since they give a maximum

> face cars, the elevated and the subway had nothing to do with the dynamite. they should be patronized in just that His death was the latest fatality among order. The surface lines do at least give the tugmen in the harbor.

girl's opportunity for fresh air, and she A fifty ton "battleship" coal car will should never miss it. The matinee is weigh seventy tons with its load. Again

their seeding in this way while they get house so that the captain is up where he

the business streets.

sometimes safe to vary the walk with a everything but stand on her head. row or a ride on the regular boats.

small expense.

The seaside beach, so overcrowded and unattractive on Saturday afternoons and Sundays, offers morning possibilities. Perhaps an overworked mother or an eager little sister can go along. Sometimes there is a married friend who finds

York. The twenty knot Boston fliers do only a few hours better in fair weather. Ice breaking is another of the miscellaneous duties which the tags have thrust upon them. The captain went up to Yonkers last January when the river was frozen and a big Norwegian treighter, the Lif, lay off Fort Washington Point with her how crumpled, refusing to try

cent., suffered from caisson disease and dry employees, jewellers, barbers, seam- carbonic acid gas,

THE BUSINESS GIRL OUTDOORS

in the summer, especially in the stifling pleasures. Bathing is doubly agreeable

Emery and sand wheel workers.

In the second of employees. In these countries and in France a medical certificate of toward lessening the dangers of employement in compressed air, and cases of the medical ment in compressed air, and cases of the medical certificate.

In the automobile factories, particularly from the department where ment are engaged in "sanding the boxes." In Belgium this occupation of sand papering paint has been prohibited.

The disease known as "phossy jaw," and the air cannot be too cold for her three diseases of the match makers, has been known as "phossy jaw," and the air cannot be too cold for her three department where ment are engaged in "sanding the boxes." In Belgium this occupation of sand papering of the disease known as "phossy jaw," and the air cannot be too cold for her three diseases of the forward lessening the dangers of the match makers, has been known as "phossy jaw," and the air cannot be too cold for her three diseases of the forward lessening the dangers of the match makers, has been known as "phossy jaw," and the air cannot be too cold for her three diseases of the forward lessening the dangers of the match makers, has been known as "phossy jaw," and the air cannot be too cold for her three diseases of the forward lessening the dangers of the disease known as "phossy jaw," and the air cannot be too cold for her three diseases of the disease known as "phossy jaw," and the air cannot be too cold for her three diseases of the disease known as "phossy jaw," and the air cannot be too cold for her three diseases of the disease known as "phossy jaw," and the air cannot be too cold for her three diseases, and the department where men are engaged in "sanding the boxes." In these countries are engaged in "sanding the boxes." In the automobile factories, particularly from the department where men are engaged in "sanding the boxes." In the automobile factories, particularly from the department where men are engaged in "sanding the boxes." In the weathers. A hot water bottle they a

bed half an hour earlier in the evening, red buoy at the end.

Few girls get sleep enough. By walking the girl gets not only air can share this morning walk it becomes

one of the day's little pleasures.

Saturday afternoon is the business comers.

no place to spend those golden hours and again while the coal strike was when there is a park or a river or lake threatening the captain took forty-four in the city. There with a friend or a book of them up the East River, a total weight, she may spend a happy afternoon watch- coal, cars, floats and tug, of about 3.500 ing the babies and feeding the squir- tons. Or she may take the waist she is embroidering and go alone to some quiet 22 are larger and more powerful than the nook where only the inquisitive squirrels ordinary wooden boats that do the mis-

the air and perhaps listen to an absorbing can see over the tops of his floats.

The park offers possibilities on Sunday her business. With her bunker plates afternoon also if it be large enough to screwed down in her deck she is "as tight afford room for a walk. Or perhaps there as a can buoy," as the captain says. !le is a favorite street whose attractive tells how they brought her down from homes with a bit of lawn are a change the Fore River yards at Quincy in May from the everlasting stone caffons of

Sometimes it seems best for a girl to her employer can spare her for only aday tide setting out of Vineyard Sound met at a time or there may be other responsi- it and kicked up an abomination of a bilities that she cannot leave. much health and happiness may be crowded into these scattered days at very small expense.

But swell. The tug thought nothing of the matter and made the run through it all in twenty-two hours from Boston to New York. The twenty knot Boston fliers do

TUGBOAT LIFE IN HARBOR Continued from Tenth Page.

There is more or less whooping of whistles, a crisis is imminent; then the but exercise, and when some girl friend situation has dissolved into thin air. The tows are out of the way just in time, the ferry comes in, we swing out and

of us that the dynamite cars exploded working to prevent industrial diseases processes which make the engineer the of fresh air and the exhibitantion of riding Robert Barbour of the tug John Twohey in one's own machine.

When the choice lies between the surwas killed in that explosion. The boat
was tied up half a mile away and had

> There is plenty of dynamite about the At noon time it is well to select a res- harbor still, though it is handled with taurant at a distance from the office, great caution. It is distributed by The walk will make the food, none too launches, little gray, low house craft, palatable at best, taste better. Perhaps in the early morning, each flying a flag there will be time for a little stroll before as big as her deck, which go scurrying about the harbor, much respected by all

The steel railroad tugs like Transfer cellaneous shifting about the harbor. Sometimes two or three girls can do Twenty-two has a double decked pilot

three years ago, when he woke up in the Where there is a lake or a river it is water in bed with him and the tug doing middle of the night to find a pitcher of

He dodged outside between swells and spend her vacation at home. Perhaps had blown up suddenly and the swift made out what had happened. A souther But swell. The tug thought nothing of the

Germany, Denmark, Luxemburg, the Netherlands, Switzerland, France, Great Britain, Italy, Spain, Austria, Hungary and Sweden realizing the danger of this disease seven years ago took action similar to that which has recently been

Match

worker

taken by Congress. France has entirely forbidden after July 20, 1914, the use of white lead in any house painting process, either on the outside or the inside of buildings, thus doing away with white lead poisoning, a disease from which painters suffer.

Belgium prohibits the use of white lead in dry form and forbids the scraping off of lead paint by a dry process. The sale of white lead in the form of powder or cakes, except to specially authorized persons, is also forbidden. It is hoped that laws along similar lines will shortly be passed in this country.

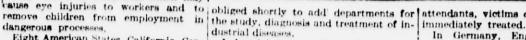
Illinois to the Fore.

Illinois is one of the States prominently to the fore in the movement to guard the health and safety of employees. In Illinois employees engaged in processes involving the use of certain poisonous substances, such as lead and paris green, are protected by special precautions. while manufacturers of brass or smelters of lead must provide proper working clothes for temployees. Dressing frooms and eating rooms must also be entirely separated from the rooms where the dangerous process is carried on, and every precaution must be taken to prevent poisonous dust and fumes from polluting the air. More important still, employees in dangerous processes must be examined by a physician once a month, the

physician to be provided by the employer. No other State so far has legislation of equal importance to the workers in dangerous industries. Massachusetts empowers her State Board of Health to rectify industrial conditions which may cause eye injuries to workers and to obliged shortly to add departments for attendants, victims of the bends can be

Eight American States, California, Con-

Michigan, Minnesota, New York, Ohio used to stimulate those at the head of in- They must also be well lighted and venand Oklahoma prohibit the employment dustrial establishments, particularly in tilated.



Hat makers

necticut, Illinois, Maryland, Michigan, cessful operation in Milan, Italy, the doc-New Jersey, New York and Wisconsin, for thinks, will soon be established here ing or leaving the factory. No food or require physicians to report cases of illness and he believes that industrial hygiene drink or tobacco is allowed in workrooms. resulting from working in factories where exhibits similar to the travelling exhibit In the dusty trades employees are recommon industrial poisons, such as lead, recently sent out by the American Asso- quired to take regular warm baths and

sanitary conditions.

In Germany, England and France

Emery and sand wheel workers.

bends are by no means as frequent as examinations are frequent.

produce the industrial diseases.

Although industrial diseases are found

formerly.

Industrial clinics similar to those in suc- workers in dangerous trades are required

of women in any occupation requiring the dangerous trades, to provide the best Germany and England require em-



at the moment to an amelioration of the conditions of the workers in these trades.

To illustrate the extent of the industrial fits of epilepsy of which the sufferer is longer goes to the office.

To a amelioration of the conditions a strain ensues which may cause times there is a married friend who finds there days a little long now that she no longer goes to the office. ployers in certain trades to keep health diseases at the present time in the United fits of epilepsy of which the sufferer is longer goes to the office.